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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/634,607	08/05/2003	Tomoki Nobuta	NECW 20.531	6611
26304 7	590 10/20/2006		EXAMINER	
KATTEN MUCHIN ROSENMAN LLP 575 MADISON AVENUE			WEINER, LAURA S	
NEW YORK, NY 10022-2585			ART UNIT	PAPER NUMBER
			1745	
			DATE MAILED: 10/20/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
*	10/634,607	NOBUTA ET AL.	
Office Action Summary	Examiner	Art Unit	
	Laura S. Weiner	1745	
The MAILING DATE of this communication appeariod for Reply	pears on the cover sheet with the	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	ON. timely filed om the mailing date of this communication NED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 12 C	October 2006.		
2a) ☐ This action is FINAL . 2b) ☑ This	s action is non-final.		
3) Since this application is in condition for allowa			is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11,	453 O.G. 213.	
Disposition of Claims			
4)⊠ Claim(s) <u>1-5,8,10-13 and 17-22</u> is/are pending	g in the application.		
4a) Of the above claim(s) is/are withdra	wn from consideration.		
5) Claim(s) is/are allowed.			
6) Claim(s) <u>1-5,10-13 and 17-22</u> is/are rejected.		•	
 7) Claim(s) 8 is/are objected to. 8) Claim(s) are subject to restriction and/o 	or election requirement		
are subject to restriction and	or election requirement.		
Application Papers			
9) The specification is objected to by the Examine	er.		
10) The drawing(s) filed on is/are: a) acc	•		
Applicant may not request that any objection to the		• •	
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	• • • • • • • • • • • • • • • • • • • •	•	(d).
Trib The bath of declaration is objected to by the	xamilier. Note the attached Offic	Se Action of John P10-152.	
Priority under 35 U.S.C. § 119			
12) ☐ Acknowledgment is made of a claim for foreigna) ☐ All b) ☐ Some * c) ☐ None of:	n priority under 35 U.S.C. § 119((a)-(d) or (f).	
1. Certified copies of the priority documen			
2. Certified copies of the priority documen			
 Copies of the certified copies of the price application from the International Burea 	•	ved in this National Stage	
* See the attached detailed Office action for a list		ved.	
	·		
. Attachmont(a)	·		
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summa	ury (PTO-413\	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail	Date	
 Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>09-06</u>. 	5) Notice of Informa 6) Other:	ratent Application	

DETAILED ACTION

Response to Amendment

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Response to Arguments

2. Applicant's arguments, filed 10-12-06 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Yoshinaga et al. (JP 4-104477, abstracts).

Claim Rejections - 35 USC § 112

3. Claims 2-4, 10-13, 17-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 2 is rejected because the claim should cite "wherein the electrode material comprises the nitrogen-containing heterocyclic compound" because the compound is cited in claim 1 from which the claim depends.

Claim 3 is rejected because the claim should cite "the cell electrode ... used in an electrochemical cell". The claim is drawn to a cell electrode so only one electrode is present and no redox reaction would result therefore the phrase "wherein only protons act as a charge carrier in a redox reaction in both electrodes associated with charge

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and discharge" does not further define a cell electrode and therefore does not further limit claim 3. There is no antecedent basis for "both electrodes".

Claim 4 is rejected because it is unclear what is meant by "further comprises <u>one</u> or both of benzimidazole and its derivatives".

Claims 11, 17 and 20 are rejected because there is no antecedent basis for "and both electrodes comprise". Also, "a proton-conducting compound" should be "the proton-conducting compound".

Claim 19 is rejected because there is no antecedent basis for "wherein at least two of the electrodes". There is no antecedent basis for "wherein at least one of the electrodes".

Claim Rejections - 35 USC § 102 Claim Rejections - 35 USC § 103

4. Claims 1-3, 5, 11-13, 19-22 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Yoshinaga et al. (JP 4-104477, abstracts)

Yoshinaga et al. teaches a battery comprising anodes and/or cathodes that contain conducting polymers such as polythiophene or polyaniline or polypyrrole and teaches that the electrolyte comprises pyrazole, imidazole, triazole, etc.

Since Yoshinaga et al. teaches a battery comprising an anode, a cathode and an electrolyte comprising pyrazole, imidazole, triazole, etc. then inherently when the

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battery is charged or discharged the electrode would contain the electrolyte comprising a pyrazole, an imidazole, a triazole, etc must also be obtained.

In addition, the presently claimed property of an electrode comprising a pyrazole, an imidazole, a triazole, etc. would have obviously have been present once the Yoshinaga et al. battery is provided. *In re Best, 195 USPQ 433 (CCPA 1977)*.

Allowable Subject Matter

5. Claims 8 and 10 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S. Weiner whose telephone number is 571-272-1294. The examiner can normally be reached on M-F (6:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Laura S Weiner
Primary Examiner
Art Unit 1745

October 17, 2006